

## CUSTOMIZE SOLUTIONS

The EFI SDK™ enables software developers to customize the workflow of demanding printing environments. Increase the efficiency of your network. Cut costs associated with misdirected print jobs. Customize your Fiery to suit your productivity needs.

## PROVEN SUCCESS

Internally designed for EFI developers, the EFI SDK was used to develop many popular Fiery controller client and web-based applications. Its ease of use, extensive features and logical code language make developing powerful applications simple.

## SIMPLE DESIGN

The EFI SDK comes standard with the Fiery Master Key, which unlocks the security-protected programmer's gate within a Fiery. Once inside, developers have full access to explore and use the Productivity Libraries included in the kit.

Like a traditional brick and mortar library, each EFI SDK Productivity Library stores its reference material or API (Application Programming Interface) in rows. For example, all Fiery Job Accounting functions are stored in the EFI SDK Accounting API row, which allow the development of custom applications to control and manage jobs on Fiery controllers.

The EFI SDK allows applications to interact directly with a Fiery controller. It allows you to write custom programs that:

- AUTOMATICALLY LOCATE FIERYs ON A NETWORK
- MANAGE/REVIEW/ARCHIVE JOBS ON FIERY SERVERS
- MONITOR FIERY CONNECTED PRINTERS
- REPORT PRINTER JOB USAGE (BY JOB TYPE OR USER)
- MANAGE FONTS ON FIERY SERVERS
- MONITOR CONSUMABLE LEVELS AND SERVICE REQUIREMENTS

To incorporate EFI SDK functionality into your application, all you need to do is link the EFI SDK libraries with your C, C++ or Java program:

- For UNIX (FreeBSD, Irix, Solaris, Linux), the EFI SDK libraries are available as shared libraries, which can be linked with the program.
- For Windows, the EFI SDK libraries are available as DLLs or as static libraries.
- In Java, it can be installed as a .jar file; just install it into your classpath.

NOTE: Support for Mac OS will be available in a future release.

**CUSTOMIZE  
YOUR  
PRINTING  
WORKFLOW**

## THE EFI SDK SERVICES

The EFI SDK is divided into groups of functions, called “services,” some of which are described in the following sections.

**Accounting** - Retrieves information specific to a Fiery’s Job Log (where job accounting takes place).

**Authentication** - Provides functions that allow client applications to interact with the Fiery’s authentication database, including:

- Checking passwords during login to a Fiery
- Setting user access permissions
- Getting and setting passwords
- Adding users and setting access privileges
- Facilitating server queries used to determine the type of functionality class users are provided access to, where a functionality class is a group of actions on the server that different users are allowed to use depending upon their login type (administrator, operator, or guest)

**Connection Initialization** - Provides functions to establish communications with a Fiery server, disconnect from a Fiery server, get and set server time out values, and monitor information coming in from a Fiery.

**Device Information** - Provides functions to access information about processing and events occurring on a Fiery server.

**Discovery** - Locates Fiery servers on the network.

**File Transfer** - Provides access to removable and fixed storage devices on the Fiery. It supports moving and copying files between a workstation or some other remote location and the Fiery.

**Font Management** - Used for backing up and restoring fonts. It provides for checking which fonts are available on the Fiery server, downloading fonts to the Fiery, and backing up and restoring fonts.

**Job Downloading** - Provides support for downloading and importing a job from some remote location, such as a workstation, to a Fiery.

**Job Management** - Provides functions that allow you to check and set print overrides, and perform job functions such as delete a job, duplicate a job, save raster, post, and archive jobs to local or remote media.

**Localization** - Provides support for localizing attribute keys and values, and supports all EFI-supported languages and multiple encodings: CP1252, ISO8859-1 and MacRoman.

**Logical Printer Control** - A filter that provides default attributes for jobs that do not have attributes or enforces attributes that the administrator locks in.

**Server Information** - Provides functions to access information about processing and events occurring on a Fiery server. You can use these functions to retrieve the Fiery’s location and time, available disk and memory space, and so on.

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